



14TH INTERNATIONAL SYMPOSIUM ON *AEROMONAS* AND *PLESIOMONAS*

CONFERENCE SCHEDULE

LOCATION: 161 West Wisconsin Avenue, **Suite 7000**; University of Wisconsin School of Continuing Education; Milwaukee, WI 53203

MONDAY, JUNE 1ST 8:00 TO 19:00H

8:00–9:00 — BREAKFAST, REGISTRATION AND WELCOME

9:00–9:05 — OPENING REMARKS: Troy Skwor and Sandra McLellan

9:05–9:20 — ISAP HISTORY: Maria Jose Figueras: *ISAP history: 40 years of Symposia (1986-2026)*

9:20 – 10:30 TAXONOMY AND IDENTIFICATION

9:20 – 9:55 Maria Figueras: *Two Decades of Change: The Expanding Taxonomy of Aeromonas (2005–2025).* S1

9:55 – 10:30 – Antonio Martínez-Murcia: *Phylogenetic framework of zoonotic Aeromonas spp., a cornerstone for genetic diagnostics.* S2

10:30 – 10:45 COFFEE BREAK

10:45 – 11:40 – DIAGNOSTICS AND THERAPEUTICS

10:45 – 11:20 Steve J Charette. *The multiple identities of Aeromonas salmonicida: what mesophilic strains reveal and a simple molecular approach for their identification* S3

11:20 – 11:40 Alia Ahmed: *Photodynamic Inactivation as an Alternative Wastewater Disinfection Method Against AeroESKAPE Pathogens.* O1

11:40 – 1:15 LUNCH

1:15 – 2:45 KEYNOTE PRESENTATION

1:15 –2:45— Keynote speaker **Rita Colwell:** *Environmental Drivers of Infectious*



2:45 – 3:00 BREAK

3:00 – 4:15 POSTER SESSION

3:00–4:15 — Poster session

4:15 – 5:00 CAREER PANEL: Kyle Leistikow (Industry), Antonio Martínez-Murcia (Industry), Mark Liles (Academic, USDA, start-ups), Maria Steadmon (Public Health), Matthew Hernandez (academic MD), Julia Zimmer (Public Health)

5:10 – 7:00 NETWORKING (location to be determined)

TUESDAY, JUNE 2ND 8:00 TO 15:40H

8:00 – 9:00 — BREAKFAST

9:00 – 10:30 — VIRULENCE

9:00 – 9:35 Ashok Chopra: *Unraveling the Virulence Repertoire and Landscape of Clinical Aeromonas Isolates* S4

9:35 – 10:10 David Rasko: *Combining comparative and functional genomics to identify novel virulence factors in Aeromonas caviae* S5

10:10 – 10:30 Ana Fernandez-Bravo: *Pathogenic characterization of a polymicrobial infection caused by Aeromonas caviae, Campylobacter jejuni, and Aliarcobacter butzleri isolated from a patient with diarrhea.* O2

10:30 – 10:45 — BREAK

10:45 – 11:25 — VIRULENCE

10:45 – 11:05 Yu-Cheng Su: *M35 metalloprotease secreted by Aeromonas caviae promotes pancreatic cancer cell proliferation via PAR1/2-dependent activation of the PI3K/AKT signaling pathway.* O3

11:05 – 11:25 Blake Neil: *In vivo transcriptomics of Aeromonas dhakensis isolated from human cases of fatal bacteremia reveals novel virulence factors.* O4

11:25 – 11:45 Takiaya Nelson: *Identification of pathogenic bacterial strain of*



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Aeromonas hydrophila isolated from *Lepomis cyanellus* to predict the long-term consequences of bacteria consumption in raw local fish in Columbus, Georgia. O5

11:45-12:20 ANTIMICROBIAL RESISTANCE

11:45 – 12:20 Troy Skwor: *Insights from a One Health analysis of AMR globally and locally.* S6

12:20–1:30 — LUNCH (at the conference center)

1:30-2:25 ANTIMICROBIAL RESISTANCE (continued)

1:30 – 2:05 Sandra McLellan, *Comparative genomics of carbapenem resistant *Aeromonas* spp. isolated from hospitals and community wastewater.* S7

2:05 – 2:25 Praful Aggarwal: *The impact of isolation source on antimicrobial resistance gene repertoires across clinically relevant *Aeromonas* species.* O6

2:25 – 4:00 — AQUACULTURE

2:25 – 3:00 Sandrine Baron: *Antimicrobial susceptibility of *Aeromonas* in aquaculture: What's up doc?* S8

3:00 – 3:20 Izzet Saticioglu: *Comparative In Vitro and In Vivo Virulence Profiling of Genome-Defined Aquatic *Aeromonas* Isolates from Türkiye.* O7

3:20 – 3:35 — BREAK

3:35 – 3:55 Javier Santander: **Aeromonas salmonicida* melanin structure, immunomodulatory and cellular effects in Atlantic salmon (*Salmo salar*).* O8

3:55 – 4:30 Mark Liles: *Global spread and disease control of hyper-virulent *Aeromonas hydrophila* in aquaculture.* S9

4:30–6:30 — BREAK

6:30–9:00 — CONFERENCE DINNER CRUISE : Edelweiss Cruises - 205 W Highland Ave, Milwaukee, WI 53203. More details will be available at the conference

WEDNESDAY, JUNE 3RD 8:00 - 12:00H



8:00–9:00 — BREAKFAST

9:00–10:45 — SPOTLIGHT ON *PLESIOMONAS*

9:00 – 9:35 Marta Kaszowska: *Plesiomonas shigelloides: an overlooked enteric pathogen with global impact.* S10

9:35 – 9:55 Jolanta Lukaszewicz: *Plesiomonas shigelloides lipopolysaccharides as activators of complement system.* O9

9:55 – 10:15 Anna Maciejewska: *STRUCTURAL STUDIES OF PLESIOMONAS SHIGELLOIDES O96 LIPOPOLYSACCHARIDE.* O10

10:15 – 10:30 — BREAK

10:30 – 11:05 — BIOINFORMATICS AND GENOMICS

10:30 – 11:05 Joerg Graf: *A New Look at the S-Layer Protein in Aeromonas.* S11

11:05 – 11:25 Itzel Arreola: *DNA Repair as an Evolutionary Advantage: A Patch-Repair Strategy Against Methylation Damage in Aeromonas.* O11

11:25 – 11:45 Abigail Pérez-Valdespino: *Class 4L integrase expression is stimulated by streptomycin in Aeromonas hydrophila 6479.* O12

11:45 – 12:00 — CLOSING REMARKS (Troy Skwor)

GROUP CITY TOURS

Discovery World and Lakefront Brewery Tour - come join us to see some of the best of Milwaukee in one afternoon.

The tour will begin at the St. Kate early afternoon and end at the Lake Front Brewery, with self-transport back to the hotel (Uber, Lyft or 2.4 km walk)

Stay tuned for registration on our website after May 7th.



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